

Appendix A

**Exclusion Export**

**Main Script:**

*Name*

*exclude\_export\_script*

*Command Line Parameters*

*None*

*Exit Parameters*

*0 on Success*

*-1 on Failure*

*Input Files*

*None*

*Input Tables*

*Control Table (see Database Table Schema Spec)*

*Output Files*

*None*

*Output Tables*

*None*

*Temporary Files*

*None*

*Temporary Tables*

*None*

*Other Outputs*

*System Messages : The \$TRS/bin/logm program will be*

1       used to log actions to System Messages.

2               *Variables*

3               Tables Array : array of exclusion tables to be  
4       exported

5               LastRecNum : integer : holds the value from the  
6       last\_copied\_num field of the Control Table for the current  
7       exclusion table.

8               LastDate : character string : holds the value from  
9       the last\_copied\_date field of the Control Table for the  
10      current exclusion table.

11  
12               *Process Flow*

13              Write "Exclusion Export Started" to System Messages

14              Read Control Table to get list of exclusion tables  
15      that need to be copied to other dialers. Place the list into  
16      the Tables Array

17              For each table in Tables Array

18                  Fill the LastRecNum and LastDate fields from the  
19      Control Table for the current table.

20                  Write "Exporting <current table in Tables Array>"  
21      to System Messages

22                  If a record exists in the table with a RECNUM of  
23      LastRecNum and a date of LastDate then

24                      Execute the Export Script passing the name of

1 the current table in the Tables Array and LastRecNum as  
2 parameters

3 else

4 Execute the Export Script passing the name of  
5 the current table in the tables Array and zero (0) as  
6 parameters

7 After all tables have been exported write "Exports  
8 finished, copying to remote dialers" to System Messages

9 Run the FTP script.

10 Write "Exclusion Export Finished" to System Messages

11  
12 **Export Script:**

13 *Name*

14 exclude\_export\_table\_script

15 *Command Line Parameters*

16 Exclusion Table Name : character : Name of table in  
17 ccr database to be copied to file.

18 Will be of format "exc\_<APPLICATION NAME>\_<FIELD  
19 NAME>" (e.g. exc\_TRACKER\_ACCOUNT\_NUM)

20 LastRecordNumber : integer : stores the record number  
21 of the last record that was copied

22 *Exit Parameters*

23 0 on Success

24 -1 on Failure

### *Input Files*

?? : The site ID needs to be read from the system info file, or where ever else it can be gotten from.

### *Input Tables*

Exclusion Table Name table : This table will be the source of the records that will be added to the Export File.

### *Output Files*

Export File : ASCII : File which contains the newest exclusion records that were added to the Exclusion Table specified in the Exclusion Table Name command line parameter.

#### *Details:*

The file will be named exc\_<ThisSiteID>\_<Exclusion Table Name>\_<MMDDHHMM>.txt.

This file will be placed in the \$RCS/exclude\_export directory.

Header Record of format "-HEADER ApplicationName FieldName" where the Application Name and Field Name are extracted from the Exclusion Table Name command line parameter.

The values from the FieldName column of the Exclusion Table Name table will be placed one record per line in the rest of the file.

### *Output Tables*

Control Table : The Last Copied Number and Last

1 Copied Date fields will be updated with the values from the  
2 Record Number field and Date field of the last record to be  
3 placed into the Export File.

4 *Temporary Files*

5 None

6 *Temporary Tables*

7 Exclusion Export Temp Table : netexc\_temp : This  
8 table will be used to extract the records from the Exclusion  
9 Table Name table before copying to the Export File.

10 *Other Outputs*

11 System Messages : The \$TRS/bin/logm program will be  
12 used to log actions to System Messages.

13 *Variables*

14 None

15  
16 *Process Flow*

17 Clear the temporary table named netexc\_temp

18 Insert records from <Exclusion Table Name> table with  
19 Record Number greater than LastRecordNumber and status not  
20 equal to 99 into the temp table.

21 Copy the records from the temp table to the Export  
22 File.

23  
24 **FTP Script:**

1           *Name*

2           exclude\_export\_ftp\_script

3           *Command Line Parameters:*

4           None

5           *Exit Parameters*

6           0 on Success

7           -1 on Failure

8           *Input Files*

9           All files in the \$RCS/exclude\_export directory.

10          *Input Tables*

11           Dialer Control Table (see Database Schema Spec) : The

12          list of dialers will be used to determine to which dialers

13          the Input Files should be sent.

14          *Output Files*

15           All Input Files will be copied to other dialers.

16          *Output Tables*

17           Dialer Control Table : The Last Sent field will be

18          updated with the current date for each dialer that is sent

19          the Input Files.

20          *Temporary Files*

21           temp\_exclude\_ftp.scr : ASCII : This file will be

22          rebuilt for each dialer that should receive the Input Files

23          and passed to the FTP program for execution.

24          *Temporary Tables*

1               None

2               *Other Outputs*

3               System Messages : The \$TRS/bin/logm program will be  
4               used to log actions to System Messages.

5               *Variables*

6               IPAdds array : character : holds the IP addresses of  
7               the remote dialers.

8  
9               *Process Flow*

10              Add the IP Addresses from the Dialer Control Table to  
11              the IPAdds array.

12              For each IP Address in the IPAdds array

13                  Create a new Temporary File

14                  Add an open statement with the current IP Address  
15                  from the IPAdds array to the Temporary File

16                  Add a login id and a password

17                  Add a statement to turn off prompting

18                  Add an input statement to put all of the Input  
19                  Files in the \$RCS/exclude\_files directory on the remote  
20                  dialer.

21                  Add a close statement.

22                  Run the FTP program passing the name of the  
23                  temporary file as the script parameter

24                  Update the Dialer Control Table Last Sent field

1 with the current date for the current dialer

3 **Exclusion Import**

4 **Search Script:**

5 *Name*

6 down\_user\_exclusion

7 *Command Line Parameters*

8 None

9 *Exit Parameters*

10 0 on Success

11 -1 on Failure

12 *Input Files*

13 All files in the \$RCS/exclude\_files

14 *Input Tables*

15 None

16 *Output Files*

17 Files in \$RCS/exclude\_files will be copied to  
18 down.X.<date> one at a time

19 *Output Tables*

20 None

21 *Temporary Files*

22 None

23 *Temporary Tables*

24 None



## *Other Outputs*

System Messages : The \$TRS/bin/logm program will be used to log actions to System Messages.

## *Variables*

Files array : character : This array will hold the names of the Input Files.

## *Process Flow*

Fill the Files array with the names of the Input Files.

For each file in the Files array

Get the size of the file

Wait 15 seconds

If the file size changes skip this file and try it again after checking the other files.

If the file size didn't change

Copy the file to the Output File

Run the Import Script passing the Output File name as a parameter

## **Import Script:**

*Name*

down\_exclusion\_script

*Command Line Parameters*

1           Input File Name : character : This will hold the name  
2 of the file that should be imported.

3           *Exit Parameters*

4           0 on Success

5           -1 on Failure

6           *Input Files*

7           The Input File Name passed as a command line  
8 parameter.

9           Will have a header formatted like: "-HEADER  
10 <APPLICATION NAME><FIELD NAME>"

11           Each line after the header will have a value that  
12 should be placed in the Field Name field of the Output Table,  
13 one per record.

14           *Input Tables*

15           None

16           *Output Files*

17           None

18           *Output Tables*

19           The exclusion table, exc\_<APPLICATION NAME>\_<FIELD  
20 NAME> specified in the header of the Input File.

21           *Temporary Files*

22           None

23           *Temporary Tables*

24           tmp\_<APPLICATION NAME>\_<FIELD NAME> : This will be

1 created from the header of the Input File. See the Database  
2 Table Schema Spec for more details.

### 3 *Other Outputs*

4 System Messages : The \$TRS/bin/logm program will be  
5 used to log actions to System Messages.

### 6 *Variables*

7 AppName : character : Will store the name of the  
8 application determined from the header of the Input File

9 FieldName : character : Will store the name of the  
10 field determined from the header of the Input File

### 12 *Process Flow*

13 Read Header of Input File and place Application Name  
14 is AppName and Field Name in FieldName.

15 Create the temporary table.

16 Copy the data from the Input File into the Temporary  
17 Table.

18 Insert the data from the Temporary Table into the  
19 Output Table. Set the status field for inserted records to  
20 99.

21 Notify the Unison system that the exclusion tables  
22 have changed.

23